

ABSTRACT OF THE DISCLOSURE

The method uses color to determine the wear of the screw and barrel of the molding machine. The method measures the color and/or color variation to determine the wear. A first material of a first color and a second material of a second color are fed into the machine to create a third material with a third color. The third material is either extruded to form a part or is injected into a mold to form a part. The color of the part is then measured with a measuring device, such as, spectrophotometer. The color will change as the screw and barrel wear. The color value would then be compared with previous color values to determine the amount of wear.

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